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psu.edu [PDF]

G Gardarin, F Sha, ZH Tang - PROCEEDINGS OF THE INTERNATIONAL ..., 1996 - Citeseer

... 5 gives the results of the calibrating procedure on ObjectStore and O2, which validate the approach. ... collects the results of local subqueries and performs the final combination of **partial** results on ... an import schema (IS), the number of objects, the average size of an **object** and the ...

Cited by 75 - Related articles - View as HTML - BL Direct - All 16 versions

A model for evaluation and administration of security in object-oriented databases

psu.edu [PDF]

EB Fernandez, E Gudes, H Song - IEEE Transactions on Knowledge ..., 1994 - computer.org

... tiles are considered part of the schema metadata, and their placement can affect the efficiency of request **validation**. ... node, specifically whether the node (attribute) has full, **partial**, or no authorization. ... Page 7. FERNANDEZ et al.: SECURITY IN OBJECT-ORIENTED DATABASES ...

Cited by 80 - Related articles - BL Direct - All 9 versions

[CITATION] Evaluation of negative, predicate, and instance-based authorization in object-oriented databases

E Gudes, H Song, EB Fernandez - ... WG 11.3 Workshop on Database ..., 1991 - North Holland

Cited by 20 - Related articles

[PDF] Spatial Query Languages: extended SQL vs visual languages vs hypermaps

psu.edu [PDF]

P Boursier, M Mainguenaud - InProc 5th International Symposium on ..., 1992 - Citeseer

... Following this approach several problems appear, among which the definition of the final result, or the **validation** of the **partial** results obtained in ... network processing and with the specifications on the data **model** (ie properties still true on a sub-set of the "object", the overlap or ...

Cited by 45 - Related articles - View as HTML - All 5 versions

[PDF] Experiences in federated databases: From iro-db to miro-web

psu.edu [PDF]

P Fankhauser, G Gardarin, M Lopez, J Munoz, ... - ... ON VERY LARGE ..., 1998 - Citeseer

... Compared to the original application, the demonstrator revealed better data **validation** due to ... Complex schemas resulting from the **partial** integration of many highly heterogeneous sources, and ... Calibrating the query optimizer cost model of IRO-DB, an **object**-oriented feder ...

Cited by 42 - Related articles - View as HTML - BL Direct - All 12 versions

[BOOK] Active rules in database systems

NW Paton - 1999 - books.google.com

... 1 Breadth-First Propagation 92 5.5.2 Differencing Base Relations 93 5.5.3 Partial Differencing of ... and Design Support 128 7.2.1 Graphical Description Tools 128 7.2.2 Validation Tools 132 ...

Database Framework 216 10.4.1 Knowledge Model 216 10.4.2 Execution Model 216 10.4 ...

[Cited by 293](#) - [Related articles](#) - [Library Search](#) - [All 4 versions](#)

Description logics for semantic query optimization in object-oriented database systems

D Beneventano, S Bergamaschi, C ... - ... *Transactions on Database ...*, 2003 - portal.acm.org
... Section 3 deals with the data **model**, describing syntax and semantics of ODLRE. ... Then, we introduce the **rule schema**, which is our specific extension to represent if-then **rules** in an **object** schema and the dis- tinction of the ... Description Logics for Semantic **Query** Optimization • 9 ...

[Cited by 28](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

[PDF] An update of the temporal database bibliography

[psu.edu](#) [PDF]

N Kline - *Sigmod Record*, 1993 - Citeseer

... Temporal Extensions to a Uniform Behavioral **Object Model**," in Pro ... Uni- fying Temporal Data Models via a Conceptual **Model**." Technical Report 93-31. ... TQuery: a **Context**- sensitive Temporal **Query Language**." *Computers and Biomedical Research*, Oct. 1991, pp. 401{419. ...

[Cited by 89](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 12 versions](#)

[PDF] Ontology-based integration of information-a survey of existing approaches

[psu.edu](#) [PDF]

H Wache, T Voegele, U Visser, H ... - *IJCAI-01 Workshop*: ..., 2001 - Citeseer

... A source ontology is one (**partial**) refinement of the general ontology, eg re- stricts the value range of ... Examples of specialized **object** lan- guages come from the geographic domain ... The AMUN data **model** [Leclercq et al., 1999] for example claims to provide an integrated solution ...

[Cited by 790](#) - [Related articles](#) - [View as HTML](#) - [All 38 versions](#)

Extensibility in the starburst experimental database system

B Lindsay, L Haas - *Database Systems of the 90s*, 1990 - Springer

... the atornicity of the generic (update) operations by initiating **partial** transaction rollback ... The structured **object model** is based on procedural (intentional) specifications of structural relationships among ... data behavior by responding to data state changes to **validate** those changes ...

[Cited by 13](#) - [Related articles](#) - [All 5 versions](#)

A design environment for migrating relational to object orienteddatabase systems

[psu.edu](#) [PDF]

J Jahnke, W Schafer, A Zundorf, P AG- ... - *International ...*, 1996 - ieeexplore.ieee.org

... varchar(15) not null, Compare with **database** **Validate** Constraints address varchar (50), title varchar (15 ... rela- tional system and to map this part first and to extend this **partial** schema migration ... The root of the SQL schema is represented by a nodelan **object** of type SQLSchema ...

[Cited by 62](#) - [Related articles](#) - [All 25 versions](#)

A rule-based query processor for a heterogeneous object-orienteddatabase environment-overview

RM Alzahrani, WA Gray, NJ ... - ..., 1995: *Distributed Object* ..., 1995 - ieeexplore.ieee.org

... The **validation** process takes as input the schema knowledge and a **query** envelope. ... are pushed down towards the leaves to reduce the number of **object** instances that ... Our approach to 00 multidatabase **query** optimisation utilises **partial** cost-based techniques to determine the ...

[Cited by 3](#) - [Related articles](#) - [All 3 versions](#)

[Teallach: a model-based user interface development environment for object databases* 1](#)[psu.edu \[PDF\]](#)T Griffiths, PJ Barclay, NW Paton, J McKirdy, J ... - *Interacting with ...*, 2001 - Elsevier

... For example, the Integer class can be used to **validate** numeric data, and the String class can be used to compute substrings of entered data. The Teallach domain **model** has been designed to be usable with different **object database** systems that conform to the ODMG ...

Cited by 93 - Related articles - All 22 versions[Chaos: An active security mediation system](#)[psu.edu \[PDF\]](#)D Liu, K Law, G Wiederhold - *Advanced Information Systems Engineering*, 2000 - Springer

... Separate views can be constructed for each **partial** structure while appropriate access rights can be ... The package provides core XML capabilities including a fast XML parser with optional **validation** and an ... 4 For details about document **object model**, go to <http://www.w3.org/DOM> ...

Cited by 22 - Related articles - BL Direct - All 24 versions[\[PDF\] Toward updates in description logics](#)[psu.edu \[PDF\]](#)M Roger, A Simonet, M Simonet - *International Workshop on Knowledge ...*, 2002 - Citeseer

... respectively membership values) in A as in I. Given a **model** I we define the **partial** pre-order ... classified" objects consists in evaluating queries as described in 2.3 for each named concept and for each **object**. ... Moreover, only tests may **validate** the proposed optimised mechanisms ...

Cited by 14 - Related articles - View as HTML - All 12 versions[An integrated object-role oriented database model](#)S Coulondre, T Libourel - *Data & Knowledge Engineering*, 2002 - Elsevier

... View Within Article. Criteria semantics induce a **partial** order, defined by FOL logical implication.

Fig. ... Fig. 3. An **object** view. View Within Article. 3. Formalization. This section develops the formal description of our data **model**. The presentation is inspired by [2 and 32]. ...

Cited by 14 - Related articles - All 5 versions[Object-oriented database as a dynamic system with implicit state](#)K Lellahi, A Zamulin - *Advances in Databases and Information Systems*, 2001 - Springer

... Schema Closure: It can be easily seen that the **model** supports multiple inheritance. ...

Object-Oriented Database as a Dynamic System with Implicit State 245 of **partial** projection

operations $pi : r \rightarrow ti$ and a record construction operation $rec : t1, \dots, tn \rightarrow r$ mapped in B to a **partial** ...

Cited by 7 - Related articles - BL Direct - All 5 versions[An approach for the interoperation of web-distributed applications with a design model](#)JA Arnold, P Teicholz, J Kunz - *Automation in construction*, 1999 - Elsevier

... integration activity consists of the logic that supports information selection, extraction, **validation** and communication. ... The library structure defines a component in terms of three **object** topologies, a ... used to constrain a **query** that formulates views of product **model** information for ...

Cited by 14 - Related articles - All 7 versions[\[PDF\] A feature database for multimedia objects](#)[psu.edu \[PDF\]](#)ML Kersten, M Nes, MA Windhouwer - *CWI Report INS- R*, 1998 - Citeseer

... the **database** schema, augmented with predicates to derive the collection of **object** considered

for ... Moreover, no access is provided to **partial** parse tree already stored in the **database**. ... A large experimentation platform is currently under construction to **validate** the approach taken ...

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[\[PDF\]](#) [Using subsumption in semantic query optimization](#)

[psu.edu](#) [\[PDF\]](#)

D Beneventano, S Bergamaschi, S Lodi, C ... - ... Workshop on **Object**- ..., 1993 - Citeseer
... benefit one gains by classifying the **query** into the class taxonomy will be the **validation** against
the ... well-founded in the transitive closure of j , which is denoted by \sqsupset , is a strict **partial** order.1 ... it permits
to give class descriptions, ie types whose interpretation is a set of **object** identifiers. ...

[Cited by 23](#) - [Related articles](#) - [View as HTML](#) - [All 14 versions](#)

[\[PDF\]](#) [A compile-time model for safe information flow in object-oriented databases](#)

[bgu.ac.il](#) [\[PDF\]](#)

M Gandler-Fishman, E Gudes, I Beer- ... - Proceedings of the IFIP ..., 1997 - cs.bgu.ac.il
... After the **validation** algorithm, the AT yes contains only the nodes and the attributes to which
access is ... If such a **rule** is not found, then a **rule** authorizing **partial** access for a node in a ... val =
read(O:Attr) where O is **database object/class** , Attr is an attribute and val is the variable ...

[Cited by 2](#) - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

[Why and where: A characterization of data provenance](#)

[upenn.edu](#) [\[PDF\]](#)

P Buneman, S Khanna, T Wang-Chiew - **Database Theory—ICDT 2001**, 2001 - Springer
... Note that the result may not be a **partial** function in which case the deep union is ... Insofar as some
formal **model** for XML has been developed in the Document **Object Model** (DOM) [15] it is ... So far
we have explored the issue of what pieces of input data **validate** the existence of an ...

[Cited by 481](#) - [Related articles](#) - [BL Direct](#) - [All 10 versions](#)

[\[PDF\]](#) [SEMANTIC QUERY OPTIMIZATION IN AN OBJECT-ORIENTED SEMANTIC ASSOCIATION MODEL \(OSAM*\)](#)

[dtic.mil](#) [\[PDF\]](#)

GL Gleason - 1990 - dtic.mil
... Abstract of Thesis Presented to the Graduate School of the University of Florida in **Partial** Fulfillment
of the Requirements for the Degree ... shown in Figure 3. The b4 **object** represents the common
inner-association of ... **Query validation** ensures syntactic and semantic correctness of ...

[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [All 3 versions](#)

[\[PDF\]](#) [Six spaces for global information systems design](#)

[psu.edu](#) [\[PDF\]](#)

T Estier, G Falquet, J Guyot, M Léonard - 1991 - Citeseer
... structure (or hierarchy) is a set of semantic contexts ordered by a **partial** order relation ... The
composition of the objects life-cycle Petri Net with the constraints **validation** PN, restricted to ... We
shall analyze hereafter the relational and **object**-oriented models within the framework of ...

[Cited by 8](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

[Updating relational databases through object-based views](#)

T Barsalou, N Siambela, AM Keller, G ... - ACM SIGMOD ..., 1991 - portal.acm.org
... on a view **object** is composed dynamically with the **object's** structure to obtain a relational **query**
that can be ... directed-graph representation of a **database**, where vertices correspond to relations
and edges to connections. ... the **view-object model** enables us to combine the abstract ...

[Cited by 116](#) - [Related articles](#) - [All 14 versions](#)

The ORES Temporal DBMS and the ERT-SQL query language

B Theodoulidis, A Ait-Braham, G Karvelis - **Database** and Expert Systems ..., 1994 - Springer

... **Validation** in ORES [21] consists of a five-step process ... one of the following categories: total disjoint (TD), total overlapping (TO), **partial** disjoint (PD) and **partial** overlapping (PO ... Cheng, TS and Gadia, SK. "An Object-Oriented Model for Temporal Databases", in Proceedings of the ...

Cited by 6 - Related articles - BL Direct - All 3 versions

Building a robust relational implementation of topology

[esrifrance.fr \[PDF\]](#)

E Hoel, S Menon, S Morehouse - Advances in Spatial and Temporal ..., 2003 - Springer

... When a topology **rule** is violated, a topology error **object** is generated. ... This is a complex task given that it will require the **validation** of topology **rules** using **partial** information (eg, certain error instances may only be partially contained within the region being validated). 4.3

Cited by 22 - Related articles - BL Direct - All 4 versions

[PS] Automated update management for XML integrity constraints

[204.178.16.26 \[PS\]](#)

M Benedikt, G Bruns, J Gibson, R Kuss, ... - Proc. Workshop on ..., 2002 - 204.178.16.26

... the semantics of FOC we **model** an XML document D as a **partial** function that ... although research systems such as Schematron [Jel] provide support for non-incremental **validation** of a ... the relational setting, while [JQ92] studies the issue in the **context** of **object**-oriented databases ...

Cited by 30 - Related articles - View as HTML - All 7 versions

[PDF] Validating constraints with **partial** information: Research overview

[psu.edu \[PDF\]](#)

J Widom, A Gupta, Y Sagiv - Proc. of the 5th Int. Workshop on the ..., 1994 - Citeseer

... This property is applicable only when the **partial** information includes portions of the **database**, ie the third class of problems in Section 1.1. ... If the **query** produces ... The difficulty of **validating** constraints naturally depends on the language that we use to express constraint queries. ...

Cited by 2 - Related articles - View as HTML - All 15 versions

[PDF] Architecture of active database systems

[psu.edu \[PDF\]](#)

A Buchmann - Active **Rules** in **Database** Systems, 1999 - Citeseer

... **Validation** Privilege Class definition ... To avoid this hotspot, some systems use distributed logging with deferred consolidation of the **partial** logs BZW95]. ... Quite often the parameters to be passed include the state of the **object** that was just modified in the user transaction. ...

Cited by 14 - Related articles - View as HTML - All 6 versions

Typed sets as a basis for **object**-oriented database schemas

[psu.edu \[PDF\]](#)

H Balsters, R de By, R Zicari - ECOOP'93—Object-Oriented Programming, 1993 - Springer

... To **validate** such a constraint the least one needs is the class extension as a whole. ... **object** constraints ... The set of types T is equipped with a subtyping relation 5. We speak of subtyping when there exists a **partial** order 5 on the set of types, and the typing **rules** are extended to the ...

Cited by 52 - Related articles - BL Direct - All 14 versions

[PDF] Semantic integration of heterogeneous information sources

[unimi.it \[PDF\]](#)

S Bergamaschi, S Castano, M Vincini, D ... - Data & Knowledge ..., 2001 - islab.dico.unimi.it

... can evolve and add new properties, but they will be retrieved as valid instances of the

corresponding **object** pattern when processing a **query**. 2.1 Running example ... According to recommendations of ODMG and to the dif- fusion of /POB [2,20], the **object** data model ODL d ...

Cited by 289 - Related articles - View as HTML - All 10 versions

[PDF] [DL Techniques for Intensional Query Answering in OODBs](#)

[psu.edu](#) [PDF]

S Bergamaschi, C Sartori, M Vincini - Working Notes of the KI'95 ..., 1995 - Citeseer

... In this case LU BQ w Q w GLBQ and each bound can be seen as a **partial**

intensional answer to the **query**. ... B. Nebel. Acquisition and **validation** of com- plex

object database schemata supporting multi- ple inheritance. ...

Cited by 5 - Related articles - View as HTML - All 6 versions

[PDF] [A customizable database editor based on an adaptive object model](#)

[psu.edu](#) [PDF]

W Witthawaskul - 2001 - Citeseer

... Submitted in **partial** fulfillment of the requirements for the degree of Master of Science in Computer Science in the Graduate College of the University of Illinois at Urbana-Champaign ... **validate()** ... Not only do we use the Adaptive **Object Model** to **model** relational **database** tables, we ...

[View as HTML](#) - All 3 versions

[PDF] [An economic paradigm for query processing and data migration in Mariposa](#)

[psu.edu](#) [PDF]

M Stonebraker, R Devine, M Kornacker, W ... - ... Conference on Parallel ..., 1994 - Citeseer

... This will include, for example, the possibility that a site will refuse to process a **query** on behalf of another site and will refuse to accept an **object** which a remote site wishes to evict from its storage. ... To **model** this possible parallelism, we assume that the **query** can be ...

Cited by 173 - Related articles - View as HTML - All 31 versions

Enterprise information modeling and **model** integration in Carnot

M Huhns, N Jacobs, T Ksiezyk, WM Shen ... - ... : Proceedings of the ..., 1992 - books.google.com

... Developers require integrity **validation** of new ... models of the other databases or **partial** global schemas [1]. For n databases, as many as n (n-1) **partial** global ... ie, a description of supported services, such as the data **model** and languages, lexical definitions of **object** names, the ...

Cited by 57 - Related articles

The OO-Method approach for information systems modeling: from **object-oriented** conceptual modeling to automated **programming**

O Pastor, J Gómez, E Insfrán, V Pelechano - Information Systems, 2001 - Elsevier

... The use of such a formal specification provides the **context** to **validate** and verify the system in the solution ... Naturally, we have had to introduce relevant information to address specific features of OASIS in these diagrams (**object model**, dynamic **model** and functional **model**). ...

Cited by 181 - Related articles - BL Direct - All 7 versions

Context inheritance and content inheritance in an **object-oriented** data **model**

L Yu, S Osborn - Advances in Computing and Information—ICCI'91, 1991 - Springer

... The ((~) and ((~) **partial** orderings can be considered to be a complete lattice over classes ... Class harmonization and class accommodation are introduced mainly for **validating** (statically) the **database** ... the invokers bl, ..., b4 can be either reached by a (persistent) **object** handle or ...

[Cited by 1 - Related articles](#) - [All 2 versions](#)[A model of OASIS role-based access control and its support for active security](#)[psu.edu \[PDF\]](#)

J Bacon, K Moody, W Yao - ACM Transactions on Information and ..., 2002 - portal.acm.org

... The appointment **model** avoids the problems of **partial** delegation. ... Establishing privileges that are specific to some **object** can be handled naturally through the use of ... When describing our **model**, we blur the distinction between roles and role names where this will not lead to ...

[Cited by 272 - Related articles](#) - [All 25 versions](#)[\[PDF\] Acoi: A system for indexing multimedia objects](#)[psu.edu \[PDF\]](#)

MA Windhouwer, AR Schmidt, ML Kersten - International Workshop on ..., 1999 - Citeseer

... expression (like images, MIDI files etc.) a black-box detector can be used to **validate** the value ...

Context-free grammars already provide a **partial** solution to this problem ... will be subject to change, as researchers will discover alternative or new methods to index a multimedia **object** ...

[Cited by 40 - Related articles](#) - [View as HTML](#) - [All 16 versions](#)[Neighborhood and associative query answering](#)

WW Chu, Q Chen - Journal of Intelligent Information Systems, 1992 - Springer

... and Chen, 1993; Chu, et al., 1991a, b) has been developed at UCLA as a testbed to **validate** the effectiveness ... where 1 implies complete satisfaction, 0 implies unsatisfaction, and a non-zero value implies **partial** satisfaction of the tuple t ... For example, based on the **object** schema ...

[Cited by 84 - Related articles](#)[A method for validating a conceptual model by natural language discourse generation](#)[su.se \[PS\]](#)

H Dalianis - Advanced Information Systems Engineering, 1992 - Springer

... This combination will help both the design engineer to **validate** the CM and the end users to ... A **partial** solution to this problem is dependent on the question and the knowledge level of the ... a data base. These three types of questions or commands are: 1) How is an **object** defined ...

[Cited by 66 - Related articles](#) - [All 4 versions](#)[Subsumption for complex object data models](#)

D Beneventano, S Bergamaschi - Database Theory—ICDT'92, 1992 - Springer

... queries can be expressed as derived classes these results also apply to intentional **query** answering and **query validation**. ... Given a schema a, a domain P and a **partial** possible instance ~, we say that a ... Although our **model** be an **object** data **model** s it is easy to see the analogy ...

[Cited by 15 - Related articles](#) - [BL Direct](#) - [All 5 versions](#)[Active object-oriented database systems for CIM applications](#)[psu.edu \[PDF\]](#)

G Kappel, S Rausch-Schott, W Retschitzegger, ... - ... in Computer Integrated ..., 1995 - Springer

... In order to ensure refer- ence **validation**, Ode supports three standard maintenance options. ... These include **partial** and total ordering (prior, relative, sequence), limited and unlim- ited ... **Object-Oriented Database System**) [Bern92] is a prototype reactive **object-oriented** system ...

[Cited by 6 - Related articles](#) - [All 8 versions](#)[A semantic approach for schema evolution and versioning in object-oriented databases](#)[psu.edu \[PDF\]](#)

E Franconi, F Grandi, F Mandreoli - Computational Logic—CL 2000, 2000 - Springer

... difficult to consider the complete set of operators with respect to the constructs of the data **model**. ...

The set MS induces a **partial** order SV over a finite and discrete set of schema ... Let us now introduce the meaning of an evolving **object-oriented** schema S. Informally, the semantics ...

[Cited by 75](#) - [Related articles](#) - [BL Direct](#) - [All 23 versions](#)

[psu.edu \[PDF\]](#)

[An intelligent approach to information integration](#)

S Bergamaschi, S Castano, SDC Di ... - Formal ontology in ..., 1998 - books.google.com

... code, faculty) and a **partial** view of its mapping table is shown in Figure 6. The ... M. Vincini, "

ODB-Tools: a description log- ics based tool for schema **validation** and semantic ... 3, 1993, and in Mod- ern **Database** Systems-The **Object Model**, Interoperability and Beyond, W. Kim (Editor ...

[Cited by 109](#) - [Related articles](#) - [All 17 versions](#)

[Modeling of business rules for active database application specification](#)

[141.85.107.254 \[PDF\]](#)

Y Amghar, M Meziane, A Flory - Advanced topics in **database** ..., 2002 - books.google.com

... The main approaches used to define priorities are: total order and **partial** order. ... Active **rules** are mapped to **database** procedures. Methodology The methodology used to **model** our application is based on **object-oriented** method and is described as follows: 1 ...

[Cited by 5](#) - [Related articles](#) - [All 7 versions](#)

[\[PS\] Interoperable Query Processing with Heterogeneous Information Servers](#)

[umd.edu \[PS\]](#)

X Qian, L Raschidy, D Florescu, P Valduriez - 1995 - cfar.umd.edu

... The canonical **database** provides a distinct separation between target-schema-independent **partial** evaluation and target-schema ... technique within the Flora compiler prototype, 5], and it has been used for **validation** and experimentation with O2 **object** databases ...

[Related articles](#) - [View as HTML](#) - [All 3 versions](#)

[Resource integration using a large knowledge base in Carnot](#)

C Collet, MN Huhns, WM Shen - COMPUTER, 1991 - computer.org

... The num- ber of local agreements and **partial** glo- bal schemas may be as ... Name Domain Format Makes-sense-for Documentation Integrity constraint **Validation** Synonym/homonym ... Schema **object** Schema **object** Schema **object** Schema **object** Schema **object** Schema **object** ...

[Cited by 303](#) - [Related articles](#) - [All 5 versions](#)

[Context Inheritance and Content Inheritance in an Object-Oriented Data Model](#)

LYSL Osborn - Advances in computing and information--ICCI'91 ..., 1991 - books.google.com

... The (t) and (7) **partial** orderings can be considered to be a complete lattice ... Class Accommodation Class harmonization and class accommodation are introduced mainly for **validating** (statically) the ... the invokers 61,..., 64 can be either reached by a (persistent) **object** handle or ...

[Related articles](#)

[The Management of the ambiguities in a graphical query language for geographical information systems](#)

D Calcinelli, M Manguenaud - Advances in Spatial Databases, 1991 - Springer

... Each sub-**query** defined in the working space is associated with a **partial** functional expression. ... as shown in hard-copy number 2. The user selects now the line basic **object**, by choosing ... With the **validation** of this sub-que~ with the Valid option of the Working menu, the screen ...

[Cited by 7 - Related articles - All 4 versions](#)[\[PDF\] Technical Survey of XML Schema and Query Languages](#)[ucla.edu \[PDF\]](#)

A Bonifati, D Lee - 2001 - cobase.cs.ucla.edu

... As in the **object-oriented** paradigm, inheritance is done by extending or restricting the base types. ...Schematron is on **validating** XML structure, it does not provide any explicit built-in type. ... DTD:

Partial XML-Schema: Yes RELAX: Partial SOX: Yes Schematron: Yes DSD: Partial ...

[Cited by 30 - Related articles - View as HTML - All 9 versions](#)[\[PDF\] Authorization and revocation in object-oriented databases](#)[scilib.kiev.ua \[PDF\]](#)

I Majetic, EL Leiss - IEEE Transactions on Knowledge and Data ..., 1997 - scilib.kiev.ua

... An important issue for a **validation** mechanism is where to store the authorization **rule**. ... After the procedure finishes, either full authorization is given, or **partial** authorization (including none) is given one may want to ... 1) AO is Oi or one of its ancestors; 2) ai is known for **object** AO, ie ...[Cited by 4 - Related articles - View as HTML - BL Direct - All 9 versions](#)[\[PDF\] Database graph views: A practical model to manage persistent graphs](#)[psu.edu \[PDF\]](#)

A Gutiérrez, P Pucheral, H Steffen, JM ... - PROCEEDINGS OF THE ..., 1994 - Citeseer

... We currently **validate** it in three different contexts, namely a ... several objects of Ω or a single **object** of Ω to participate in the definition of several nodes or edges of ... 1 and G 2 yields a **partial** graph of G 1 containing the edges which do not belong to G 2 . The edge difference ...[Cited by 13 - Related articles - View as HTML - BL Direct - All 10 versions](#)[\[PDF\] Leveraging mediator cost models with heterogeneous data sources](#)[psu.edu \[PDF\]](#)

H Naacke, G Gardarin, A Tomasic - RAPPORT DE RECHERCHE- ..., 1997 - Citeseer

... In the **validation** section of this paper, we provide evidence of the benefits of this ... the framework is extensible in the sense that some wrappers may only provide **partial** information about ... from wrappers with the default cost **model** of the mediators benefits from **object**-orientation to ...[Cited by 85 - Related articles - View as HTML - BL Direct - All 22 versions](#)[\[PDF\] The basic principles of query optimization in relational database management systems](#)[hu-berlin.de \[PDF\]](#)

JC Freytag - Proc. of IFIP-89, 1989 - dbis.informatik.hu-berlin.de

... For example, in EXODUS and DASDB, the PDBP returns one "complex **object**", ie a hierarchical ... with a dynamic programming approach to avoid the redundant creation of (**partial**) QEPs [S+79]. ...The **validation** work by Mackert and Lohman also shows how well the cost functions ...[Cited by 6 - Related articles](#)[\[PDF\] Defining the search space for query optimization in a heterogeneous database management system](#)[psu.edu \[PDF\]](#)

D Florescu, L Raschid, P Valduriez - Under Review, 1996 - Citeseer

... Flora is a simple algebraic language Novak et al (1994)], for an **object** data **model**, with collection-oriented computational ... their signatures), is a **partial** order on O (corresponding to the inheritance relationship), and I is a function that ... is a heterogeneous **object** equivalence. ...[Cited by 2 - Related articles - View as HTML - All 3 versions](#)[Inference in MLS database systems](#)

DG Marks - IEEE Transactions on Knowledge and Data ..., 1996 - ieeexplore.ieee.org

... A) THEN (T', A'); or may be denoted as (T, A) + (T', A'). Since the **model** being used ... Any **query** accessing the names of all "spies" (even without referring to, or retrieving Job) would ... Typically a closed world is taken to mean that the **database** contains only true information, and all ...

Cited by 55 - Related articles - BL Direct - All 9 versions

[PDF] [Knowledge-based integrity constraint validation](#)

[psu.edu](#) [PDF]

X Qian, G Wiederhold - Proceedings of the 12th Int. Conf. on Very Large ..., 1986 - Citeseer

... Distinctions can be made between total ver- sus **partial** mappings, onto versus into mappings, or one- to-one versus many-to-one mappings, etc. ... 6.1 Domain Constraint Validation The **validation** of domain constraint happens when- ever an **object** is INSERTed or an ...

Cited by 30 - Related articles - View as HTML - All 6 versions

[PDF] [Dynamic query processing in a parallel object-oriented database system](#)

[utwente.nl](#) [PDF]

CA van den Berg - 1994 - doc.utwente.nl

... 4 we discuss the Goblin (distributed) storage **model** and compare three alternative **object** representation models ... Its (**partial**) implementation is used to test the e ciency of the processing scheme ... platform, it ranges from the programming language, data **model**, storage **model** to the ...

Cited by 4 - Related articles - View as HTML - All 7 versions

[SUPER—Visual interaction with an object-based ER model](#)

[psu.edu](#) [PDF]

A Auddino, Y Dennebouy, Y Dupont, E Fontana, ... - ... Approach—ER'92, 1992 - Springer

... For instance, GUIDE [35] represents with different colors **partial** queries embedded in a complex **query**. ... At any time, a **validation** function may be activated to check whether the actual schema ... It creates an **object** identical to the original one and bearing the same connections. ...

Cited by 17 - Related articles - BL Direct - All 10 versions

[Using business rules within a design process of active databases](#)

Y Amghar, M Meziane, A Flory - Data warehousing and web ..., 2002 - books.google.com

... The main approaches used to define priorities are Total order and **Partial** order. ... previous section how active **rules** can be represented in the specification of an **object** behavior ... Modules required treating dynamic aspects concern mainly: 1. The **validation** of both the semantic and ...

Cited by 21 - Related articles - BL Direct - All 22 versions

[Denotational semantics for an active rule execution model](#)

T Coupaye, C Collet - **Rules in Database Systems**, 1995 - Springer

... semantics), which are executed at the end of the transaction (just before the **validation** of the ... more complicated than elements of A because once again of the underlying **object**-oriented data ... executed are picked up from this set according to priorities which define a **partial** or- der ...

Cited by 24 - Related articles - BL Direct - All 3 versions

[Database design for a multi-scale spatial information system](#)

CB Jones, DB Kidner, LQ Luo, GL ... - International Journal ..., 1996 - informaworld.com

... based on high accuracy geometric representa- tions, and on user assertions, to **validate** the integrity of ... It employs slots (attribute variables and methods) common to the Real-World **Object**

[\[BOOK\] Entity-relationship modeling: foundations of database technology](#)

B Thalheim - 2000 - books.google.com

... The basic components of the ER-approach are: - the ER diagrammatic technique, - operators (definition/manipulation/**query** languages). ... The extended ER **model** covers extended ...

Entity-relationship approaches can incorporate concepts known to **object**- oriented databases. ...

[Cited by 410](#) - [Related articles](#) - [Library Search](#) - [All 6 versions](#)

[\[PDF\] Query processing in a device database system](#)

P Bonnet, J Gehrke, T Mayr, P Seshadri - 1999 - Citeseer

... 2.2 A Uniform Way of Modeling Devices In order to formalize the problem of **querying** a device network, we propose to **model** devices as objects in a **database** schema. ... Today's **object-relational** and **object-oriented** databases support Abstract Data Type (ADT) objects that ...

[Cited by 23](#) - [Related articles](#) - [View as HTML](#) - [All 9 versions](#)

[Requirements and comparison of view mechanisms for object-oriented databases* 1](#)

R Motschnig-Pitrik - Information Systems, 1996 - Elsevier

... In general, it is assumed that, associated with a **query**, there exists some **partial** function f ... A LATTICE proposal allows for the update of view classes that are derived by **object** preserving **rules** ... The proposal shares with COOL the the fundamental **model** of a class hierarchy with the ...

[Cited by 43](#) - [Related articles](#) - [All 5 versions](#)

[On formalizing the UML object constraint language OCL](#)

M Richters, M Gogolla - Conceptual Modeling-ER'98, 1998 - Springer

... understanding of UML class models and their interpretation, (3) a solid foundation for implementing CASE tools supporting simulation and **validation** of UML ... is a **partial** order on ... Figure 3 shows a UML **object** diagram representing part of a system state for the car rental **model** ...

[Cited by 152](#) - [Related articles](#) - [BL Direct](#) - [All 10 versions](#)

[Database schema design: a perspective from natural language techniques to validation and view integration](#)

E Métais, JN Meunier, G Levreau - Entity-Relationship Approach-ER'93, 1994 - Springer

... 4. Contribution of Natural Language Interface to View Integration Starting from **partial** conceptual schemas called ... and that is not of the least importance, making documentation, **validation** and reverse ... [Bouzeghoub & Mdtais 91] "Semantic Approach For **Object Oriented Database** ...

[Cited by 29](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

[\[PDF\] Scientific workflow management: WASA architecture and applications](#)

M Weske, G Vossen, CB Medeiros - ... Angewandte Mathematik und ..., 1996 - Citeseer

... data are not part of the WASA architecture; instead, they will be handled through the **Object Broker** interface. ... the goal of the assembly is to return a single sequence, not a number of **partial** sequences of ... Human **validation** starts with viewing the results of the assembly process. ...

[Cited by 39](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

[Vql: A query language for multiversion databases](#)

T Abdessalem, G Jomier - Database Programming Languages, 1998 - Springer

... Timestamps may be either mono or multidimensional, based on **validation** time, transaction

time or user ... An o-value valuation function O_o is a **partial** function from variables x of type rE types ...

The fifth column concerns the keeping of the track of an **object** through its versions, and ...

[Cited by 9](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)

Integrating database technology, rule-based systems and temporal reasoning for effective information systems: the TEMPORA paradigm

P Loucopoulos, P McBrien, F ... - [Information](#) ..., 1991 - [interscience.wiley.com](#)

... non-filled -- **partial** ... 2 If an **object** A is part of the complex objects B and C, then the period during which A is part of B should have an empty intersection with the period during which A is part of C. Summarizing ... These are used during execution to validate the actions being taken. ...

[Cited by 34](#) - [Related articles](#) - [All 2 versions](#)

Application framework of objects for the provision of DICOM services

D Mason, BA Zimmerman - [US Patent 5,668,998](#), 1997 - [Google Patents](#)

... PACS are only **partial** solutions to providing cost „without modification. ... is structure and use during the **validation** of query An advantage of the API toolkit framework of the ... of normalized information ...

Film Session, Film Box, Image Box, Printer, Print Job, **object** definition module ...

[Cited by 20](#) - [Related articles](#)

[PDF] A precise approach to validating UML models and OCL constraints

[psu.edu](#) [\[PDF\]](#)

M Richters... - [Monographs of the Bremen Institute of Safe Systems](#), 2001 - [Citeseer](#)

... this definition can be utilized for automatic and tool-supported **validation** of standard ... Proposals for a formal **object**-oriented metamodeling approach have been made in [CEK01, 'Ove00]. ... **Model** elements describing entities of different conceptual levels are defined within a ...

[Cited by 135](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

Rule validation based on logical deduction

[psu.edu](#) [\[PDF\]](#)

P Wu, SYW Su - [Proceedings of the second international conference](#) ..., 1993 - [portal.acm.org](#)

... Thus, the **validation** of an **object**-oriented knowledge base can be done by processing the ... That is, $\{1P\}$ is a **model** for S. A knowledge base containing the preceding propositions ... consistency/inconsistency in the **context of rule validation**, which takes the input facts of a ...

[Cited by 5](#) - [Related articles](#) - [All 7 versions](#)

Research issues in database specification

ML Brodie - [ACM Sigmod Record](#), 1983 - [portal.acm.org](#)

... (semantic integrity **validation**). ... This captures the intuitive notion that a **database** can still be the same type of **object** if new operations are added or existing ones are dropped or modified. ...

2. Means for structuring specifications and defining **partial** functions. ...

[Cited by 9](#) - [Related articles](#) - [All 2 versions](#)

[PDF] The Xquery formal semantics: A foundation for implementation and optimization

[psu.edu](#) [\[PDF\]](#)

B Choi, M Fernandez, J Simeon - [Bell Labs Research](#), 2002 - [Citeseer](#)

... Schema **Validation** Execution Layer Mapping Layer ... [7] Jeffrey Dean, Greg DeFouw, David Grove, Vassily Litvinov, and Craig Chambers. Vortex: An optimizing compiler for **object**-oriented languages. ... Tokens (only **partial**) -- Variable ::= "\$ QName QName ::= ":" ...

[Cited by 21 - Related articles](#) - [View as HTML](#) - [All 9 versions](#)

[Automating software analysis and testing using a program transformation system](#)

G Kotik, L Markosian - *Proceedings of the ACM SIGSOFT'89 third ...*, 1989 - portal.acm.org

... The rule **Analyze-Function-Call** applies the test to an **object** in the **database** and if the test succeeds ... It is defined recursively with a number of base cases, several of which are shown in the following **partial** definition: ... 4.2.1 Generating program mutants for test suite **validation** ...

[Cited by 35 - Related articles](#) - [All 3 versions](#)

[psu.edu](#) [\[PDF\]](#)

[An executable visual formalism for object-oriented conceptual modeling](#)

DC Kung - *Journal of Systems and Software*, 1995 - Elsevier

... tions. A test sequence is a **partial** path from the root to any node. ... language. This step can be done by use of the formal method described in Kung (1985a). 5. **Validate** that each **object** specification matches the users' requirements. This ...

[Cited by 12 - Related articles](#) - [All 10 versions](#)

[Mapping a semantic database model to the relational model](#)

P Lyngbaek, V Vianu - *ACM SIGMOD Record*, 1987 - portal.acm.org

... As an example, consider the function Major Student -> Department which IS typically **partial** (1 e , a ... Lower and upper **object** partlcipations, which are referred to as partrcpatron conatrants, can be ... 3 Mapping lrm Schema8 to Relational Schemae The Jr~s **model** 1s currently ...

[Cited by 58 - Related articles](#) - [All 3 versions](#)

[psu.edu](#) [\[PDF\]](#)

[\[PDF\] A Framework for adaptive design](#)

M Devos, M Tilman, F Spiessens - Umea: Umea University Department of ..., 1997 - Citeseer

... These **rules** capture business- semantics, set defaults and perform extra **validation**, filter information. ... Nested environments further specialize the view on the shared **object model**. ... The authorization mechanism makes no a priori assumption about a particular **model**. ...

[Cited by 2 - Related articles](#) - [View as HTML](#) - [All 8 versions](#)

[\[PDF\] Management of schema evolution in databases](#)

[vldb.org](#) [\[PDF\]](#)

J Andany, M Léonard, C Palisser - ... of the 17th International Conference on ..., 1991 - vldb.org

... The **validation** of a new schema leads to the destruction of its predecessor, together with the corresponding data. ... The definition of **partial** views of the schema must also be allowed. ... It delivers all the **object** tuples linked to the **context** ...

[Cited by 101 - Related articles](#) - [View as HTML](#) - [All 7 versions](#)

[A TTCN-3 based online test and **validation** platform for Internet services](#)

PH Deussen, G Din, I ... - *The Sixth International ...*, 2003 - ieeexplore.ieee.org

... we consider **validation** in concurrent and distributed environments, the ordering can be **partial**: several steps ... from the target system - in particular, as the target system used itself **object** oriented data ... a prototype of this platform in order to experiment with the **validation** of services ...

[Cited by 18 - Related articles](#) - [All 4 versions](#)

[psu.edu](#) [\[PDF\]](#)

[\[PDF\] Exploiting schema knowledge for the integration of heterogeneous sources](#)

S Bergamaschi, S Castano, SDC di Vimercati, S ... - ... Nazionale su Sistemi ..., 1998 - Citeseer
... **partial** or total schema unification is performed. ... to recommendations of [15], and to the division of the **object data model** (and its ... interface School Member interface Student : CS_Person (source relational University (source **object** Computer_Science extent School Member extent ...
Cited by 18 - Related articles - View as HTML - All 12 versions

Regular object types

[epfl.ch \[PDF\]](#)

V Gapeyev, B Pierce - ECOOP 2003--Object-Oriented Programming, 2003 - Springer
... D, x, e) is a function defined on Classes with mbody(C) being a **partial** mapping that ... The syntax of expressions is introduced later—we don't need them for defining the data **model**.) ... in the Appendix.) The syntax of values a given in Figure 2 allows ill-formed **object** values new C(a ...
Cited by 88 - Related articles - BL Direct - All 11 versions

A data model for XML databases

[psu.edu \[PDF\]](#)

V Wuwongse, K Akama, C Anutariya, E ... - Journal of Intelligent ..., 2003 - Springer
... and functionalities of XML data such as provision of supports for DTD/Schema **validation**, integrity constraints ... basic specializations in CX and their elements are called specializations, • $\mu X : SX \rightarrow$ **partial** map(AX ... head(C θ) | C \in P, $\theta \in SX$, C θ is a ground clause, **object**(C θ) \subset X ...
Cited by 35 - Related articles - BL Direct - All 13 versions

[PDF] A polygen model for heterogeneous database systems: The source tagging perspective

[psu.edu \[PDF\]](#)

YR Wang, SE Madnick - ... of the 16th International Conference on Very ..., 1990 - Citeseer
... addition, we have surveyed more than forty US commercial systems offering **partial** solutions to ... These problems include source tagging, **query** translation, schema integration [5, 321, inter-**database** ... local schemata and the polygen schema are all based on the relational **model**. ...
Cited by 103 - Related articles - View as HTML - All 16 versions

Challenges for Query Processing in Object-Oriented Databases

OO Databases - **Query** processing for advanced **database** ..., 1994 - books.google.com
... 1987] is a structural **object model** with a more expressive **query** facility, but without an abstract type definition system. Its **query model** is interesting in that the result of a **query** is a subdatabase, rather than just a single collection of objects. ...

Related articles - All 2 versions

[PDF] Fuzzy XML queries via context-based choice of aggregations

[dml.cz \[PDF\]](#)

E Damiani, L Tanca, FA Fontana - KYBERNETIKA-PRAHA-, 2000 - dspace.dml.cz
... a DTD: if the XML document is valid with respect to the DTD, **validation** usually produces a ... Since document nodes are unique, we shall assume a numerical **Object ID**, (OID) to be specified ... even when the **query** exploits the facilities provided by the language for **partial** or flexible ...
Cited by 18 - Related articles - View as HTML - BL Direct - All 11 versions

Life-cycle of a dual **object**-oriented specification **model** for real-time systems¹

MA Bruno, P Nesi - Information and Software Technology, 1999 - Elsevier
... 2). In particular, Specification Assistant helps the user to automatically complete **partial** specifications and ... as a basis for the proposed life-cycle, but activities of verification and **validation**

have to ... The Reuse Analysis starts by making a **query** on the **Object Database** by using the ...

[Cited by 3 - Related articles](#) - [All 7 versions](#)

[Ontologies are not the panacea in data integration: A flexible coordinator to mediate **context** construction](#)

[uic.edu](#) [\[PDF\]](#)

AM Ouksel, I Ahmed - *Distributed and Parallel Databases*, 1999 - Springer

... At this point, the **context** mediator does not possess sufficient intelligence to **validate**, refute, or refine ... The specificity relationship induces a **partial** order such that a greatest lower bound (glb) exists ... **CONSULTANT** is an **object** that is a subset of **EMPLOYEE** and has a contextual ...

[Cited by 24 - Related articles](#) - [BL Direct](#) - [All 7 versions](#)

[An object-oriented SGML/HyTime compliant multimedia **database** management system](#)

[psu.edu](#) [\[PDF\]](#)

MT Özsü, P Igłinski, D Szafron, S El-Medani, ... - *Proceedings of the ...*, 1997 - portal.acm.org

... Both insertion and deletion will involve **validation** by the SGML parser. ... Eventtype A&Type VariantType Figure 9. **Partial** Meta-type System ... Virtual function resolution ensures that any me&type **object** will create the appropriate **object**(s) when its instantiation method is invoked. ...

[Cited by 34 - Related articles](#) - [All 16 versions](#)

[\[PDF\] Knowledgescapes: A probabilistic **model** for mining tacit knowledge for information retrieval](#)

[psu.edu](#) [\[PDF\]](#)

HA Cheng - UC Berkley, 2001 - Citeseer

... We also varied the parameter d to examine the predictive performance of the **model** as more documents are browsed before dynamic reranking is invoked. For cross-validation computations, no **partial query** matches are allowed, ie a **query** q_2 is considered to ...

[Cited by 5 - Related articles](#) - [View as HTML](#) - [All 5 versions](#)

[\[PDF\] Building a Robust Relational Implementation of Topology](#)

[esri.com](#) [\[PDF\]](#)

EHSMS Morehouse - 2003 - gis.esri.com

... with the topology are selected on the basis of which topological relationships are important for the user's **model**. ... When a topology **rule** is violated, a topology error **object** is generated. ... Topology **rule** violations do not prevent the **validation** operation from successfully completing. ...

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object database schemata supporting multi- ple inheritance. ...

Cited by 5 - Related articles - View as HTML - All 6 versions

[psu.edu](#) [\[PDF\]](#)

[\[PDF\]](#) **A feature database for multimedia objects**

ML Kersten, M Nes, MA Windhouwer - CWI Report INS- R, 1998 - Citeseer

... the **database** schema, augmented with predicates to derive the collection of **object** considered for ... Moreover, no access is provided to **partial** parse tree already stored in the **database**. ... A large experimentation platform is currently under construction to **validate** the approach taken ...

Cited by 15 - Related articles - View as HTML - All 19 versions

[psu.edu](#) [\[PDF\]](#)

[\[PDF\]](#) **Experiences in federated databases: From iro-db to miro-web**

P Fankhauser, G Gardarin, M Lopez, J Munoz, ... - ... ON VERY LARGE ..., 1998 - Citeseer

... Compared to the original application, the demonstra- tor revealed better data **validation** due to ...

Complex schemas resulting from the **partial** integra- tion of many highly heterogeneous sources, and ... Cal-ibrating the **query** optimizer cost **model** of IRO-DB, an **object**-oriented feder ...

Cited by 42 - Related articles - View as HTML - BL Direct - All 12 versions

[psu.edu](#) [\[PDF\]](#)

Extensibility in the starburst experimental database system

B Lindsay, L Haas - **Database Systems of the 90s**, 1990 - Springer

... the atomicity of the generic (update) operations by initiating **partial** transaction rollback ... The structured **object model** is based on procedural (intentional) specifications of structural relationships among ... data behavior by responding to data state changes to **validate** those changes ...

Cited by 13 - Related articles - All 5 versions

[psu.edu](#) [\[PDF\]](#)

Orthogonally persistent object systems

M Atkinson, R Morrison - The VLDB Journal, 1995 - Springer

... Similarly, the choice of programming paradigm (**query** language, imperative language, logic language, **object**-oriented ... whatever happens, the programmers only need to understand one **model**, and maintain ... VLDB Journal 4 (3) Atkinson: Orthogonally Persistent **Object** Systems ...

Cited by 294 - Related articles - All 22 versions

[\[BOOK\]](#) **Active rules in database systems**

NW Paton - 1999 - books.google.com

... Breadth-First Propagation 92 5.5.2 Differencing Base Relations 93 5.5.3 Partial Differencing of ... and Design Support 128 7.2.1 Graphical Description Tools 128 7.2.2 Validation Tools 132 ... 13.1

Introduction 249 13.2 The Knowledge **Model** 251 13.3 The Execution **Model** 251 13.4 ...

Cited by 293 - Related articles - Library Search - All 4 versions

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Integrity control in relational database systems—an overview

[utwente.nl](#) [\[PDF\]](#)

PWPJ Grefen, PMG Apers - Data & Knowledge Engineering, 1993 - Elsevier

... Referential integrity constraints are even more important if the relational data **model** is used for the representation of **object**-oriented structures. ... It should be noted, however, that a **partial** transaction rollback does not fit nicely in the concept of transaction atomicity. ...

Cited by 81 - Related articles - All 10 versions

[\[PDF\]](#) [Ontology-based integration of information-a survey of existing approaches](#)

[psu.edu \[PDF\]](#)

H Wache, T Voegele, U Visser, H ... - IJCAI-01 Workshop: ..., 2001 - Citeseer

... A source ontology is one (**partial**) refinement of the general ontology, eg re-stricts the value range of ... Examples of specialized **object** languages come from the geographic domain ... The AMUN data model [Leclercq et al., 1999] for example claims to provide an integrated solution ...

Cited by 790 - Related articles - [View as HTML](#) - All 38 versions

[Description logics for semantic query optimization in object-oriented database systems](#)

D Beneventano, S Bergamaschi, C ... - ... Transactions on Database ..., 2003 - portal.acm.org

... Section 3 deals with the data **model**, describing syntax and semantics of ODLRE. ... Then, we introduce the **rule** schema, which is our specific extension to represent if-then **rules** in an **object** schema and the distinction of the ... Description Logics for Semantic **Query** Optimization • 9 ...

Cited by 28 - Related articles - [BL Direct](#) - All 4 versions

[An integrated object-role oriented database model](#)

S Coulondre, T Libourel - Data & Knowledge Engineering, 2002 - Elsevier

... Note that this characteristic allows the expression, in our **model**, of an usual ODMG class simply as a class with one top role. ... By extension, we will also denote by the term **role** the valuation associated with a role, at the **object** level. ... The **partial** order over the classes is: Animal ...

Cited by 14 - Related articles - All 5 versions

[Building a robust relational implementation of topology](#)

[esrifrance.fr \[PDF\]](#)

E Hoel, S Menon, S Morehouse - Advances in Spatial and Temporal ..., 2003 - Springer

... When a topology **rule** is violated, a topology error **object** is generated. ... This is a complex task given that it will require the **validation** of topology **rules** using **partial** information (eg, certain error instances may only be partially contained within the region being validated). 4.3

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[SUPER—Visual interaction with an object-based ER model](#)

[psu.edu \[PDF\]](#)

A Auddino, Y Dennebouy, Y Dupont, E Fontana, ... - ... Approach—ER'92, 1992 - Springer

... For instance, GUIDE [35] represents with different colors **partial** queries embedded in a complex **query**. ... At any time, a **validation** function may be activated to check whether the actual schema ...

It creates an **object** identical to the original one and bearing the same connections. ...

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[\[PDF\]](#) [Using subsumption in semantic query optimization](#)

[psu.edu \[PDF\]](#)

D Beneventano, S Bergamaschi, S Lodi, C ... - ... Workshop on **Object**- ..., 1993 - Citeseer

... benefit one gains by classifying the **query** into the class taxonomy will be the **validation** against the ... well-founded in the transitive closure of j , which is denoted by \sqsubseteq , is a strict **partial** order.1 ... it permits to give class descriptions, ie **types** whose interpretation is a set of **object** identifiers. ...

Cited by 23 - Related articles - [View as HTML](#) - All 14 versions

[\[PDF\]](#) [The Xquery formal semantics: A foundation for implementation and optimization](#)

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B Choi, M Fernandez, J Simeon - Bell Labs Research, 2002 - Citeseer

... Schema **Validation** Execution Layer Mapping Layer ... [7] Jeffrey Dean, Greg DeFouw, David Grove,

Vassily Litvinov, and Craig Chambers. Vortex: An optimizing compiler for **object-oriented** languages. ... Tokens (only **partial**) -- Variable ::= "\$ QName QName ::= ":" ...

Cited by 21 - Related articles - [View as HTML](#) - All 9 versions

The ORES Temporal DBMS and the ERT-SQL query language

B Theodoulidis, A Ait-Braham, G Karvelis - **Database and Expert Systems** ..., 1994 - Springer

... Validation in ORES [21] consists of a five-step process. ... objects of an entity class are supposed to have an independent existence of other **object**, while objects ... of the following categories: total disjoint (TD), total overlapping (TO), **partial** disjoint (PD) and **partial** overlapping (PO). ...

Cited by 6 - Related articles - [BL Direct](#) - All 3 versions

Teallach: a model-based user interface development environment for object databases* 1

[psu.edu](#) [PDF]

T Griffiths, PJ Barclay, NW Paton, J McKirdy, J ... - [Interacting with ...](#), 2001 - Elsevier

... For example, the Integer class can be used to **validate** numeric data, and the String class can be used to compute substrings of entered data. The Teallach domain **model** has been designed to be usable with different **object database** systems that conform to the ODMG ...

Cited by 93 - Related articles - All 22 versions

[PDF] An update of the temporal database bibliography

[psu.edu](#) [PDF]

N Kline - [Sigmod Record](#), 1993 - Citeseer

... Temporal Extensions to a Uniform Behavioral **Object Model**," in Pro ... Uni- fying Temporal Data Models via a Conceptual **Model**." Technical Report 93-31. ... TQuery: a **Context**- sensitive Temporal Query Language." [Computers and Biomedical Research](#), Oct. 1991, pp. 401{419. ...

Cited by 89 - Related articles - [View as HTML](#) - [BL Direct](#) - All 12 versions

[PDF] XML: From practice to theory

[psu.edu](#) [PDF]

V Vianu, UC San Diego - [Simpósio Brasileiro de Banco de Dados \(SBBD ...](#), 2003 - Citeseer

... extensions to XML and DTDs proposed by W3C, such as RDF, also have an **object-oriented** flavor ... is a significant improvement over brute-force re-validation from scratch. ... It is shown that the representation system can capture the **partial** information about the source document ...

Cited by 6 - Related articles - [View as HTML](#) - All 8 versions

Updating relational databases through **object-based** views

T Barsalou, N Siambela, AM Keller, G ... - [ACM SIGMOD ...](#), 1991 - portal.acm.org

... on a view **object** is composed dynamically with the **object's** structure to obtain a relational **query** that can be ... directed-graph representation of a **database**, where vertices correspond to relations and edges to connections. ... the **view-object model** enables us to combine the abstrac- ...

Cited by 116 - Related articles - All 14 versions

Integration of biological data and quality-driven source negotiation

L Berti-Equille - [Conceptual Modeling—ER 2001](#), 2001 - Springer

... GenBank AF184234 **Partial** 772 Genbank AAF01222 Sept.99 Detailed but incomplete annotation ... different biological databanks : they are semantically related but biologists still must **validate** the correctness of ... conformance scores range from 0 to 1. A multi-source **object** is built ...

Cited by 5 - Related articles - [BL Direct](#) - All 5 versions

[A semantic approach for schema evolution and versioning in object-oriented databases](#) [psu.edu \[PDF\]](#)
E Franconi, F Grandi, F Mandreoli - Computational Logic—CL 2000, 2000 - Springer
... difficult to consider the **complete** set of operators with respect to the constructs of the data **model**. ...
The set MS induces a **partial** order SV over a finite and discrete set of schema ... Let us now introduce
the meaning of an evolving **object-oriented** schema S. Informally, the semantics ...
Cited by 75 - Related articles - BL Direct - All 23 versions

[PDF] **SEMANTIC QUERY OPTIMIZATION IN AN OBJECT-ORIENTED SEMANTIC ASSOCIATION MODEL (OSAM*)** [dtic.mil \[PDF\]](#)
GL Gleason - 1990 - [dtic.mil](#)
... Abstract of Thesis Presented to the Graduate School of the University of Florida in **Partial** Fulfillment
of the Requirements for the Degree ... shown in Figure 3. The b4 **object** represents the common
inner-association of ... **Query validation** ensures syntactic and semantic correctness of ...
[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [All 3 versions](#)

[\[PDF\]](#) **Acoi: A system for indexing multimedia objects** [psu.edu \[PDF\]](#)
MA Windhouwer, AR Schmidt, ML Kersten - International Workshop on ..., 1999 - Citeseer
... expression (like images, MIDI files etc.) a black-box detector can be used to validate the value ...
Context-free grammars already provide a **partial** solution to this problem ... will be subject to change,
as researchers will discover alternative or new methods to index a multimedia **object**. ...
[Cited by 40](#) - [Related articles](#) - [View as HTML](#) - [All 16 versions](#)

Denotational semantics for an active rule execution model
T Coupaye, C Collet - **Rules in Database Systems**, 1995 - Springer
... semantics), which are executed at the end of the transaction (just before the validation of the ... more
complicated than elements of A because once again of the underlying **object**-oriented data ...
executed are picked up from this set according to priorities which define a **partial** or- der ...
Cited by 24 - Related articles - BL Direct - All 3 versions

[PDF] [A compile-time model for safe information flow in object-oriented databases](#) bgu.ac.il [PDF]
M Gendler-Fishman, E Gudes, I Beer ... - Proceedings of the IFIP ... , 1997 - cs.bgu.ac.il
... After the **validation** algorithm, the AT yes contains only the nodes and the attributes to which
access ... If such a **rule** is not found, then a **rule** authorizing **partial** access for a node in ... Access lists
There are several access lists associated with each **object** in- cluding RACL(o) - the list ...
Cited by 2 - Related articles - View as HTML - All 6 versions

Subsumption for complex object data models
D Beneventano, S Bergamaschi - **Database Theory—ICDT'92**, 1992 - Springer
... queries can be expressed as derived classes these results also apply to intentional **query**
answering and **query validation**. ... Given a schema a, a domain P and a **partial** possible instance
we say that a ... Although our **model** be an **object data model** s it is easy to see the analogy ...
Cited by 15 - Related articles - BL Direct - All 5 versions

A model of OASIS role-based access control and its support for active security psu.edu [PDF]
J Bacon, K Moody, W Yao - ACM Transactions on Information and ..., 2002 - portal.acm.org
... The appointment **model** avoids the problems of **partial delegation**. ... Establishing privileges that

are specific to some **object** can be handled naturally through the use of ... When describing our **model**, we blur the distinction between roles and role names where this will not lead to ...

Cited by 272 - Related articles - All 25 versions

[\[PDF\]](#) [An economic paradigm for query processing and data migration in Mariposa](#)

[psu.edu](#) [\[PDF\]](#)

M Stonebraker, R Devine, M Kornacker, W ... - ... Conference on Parallel ..., 1994 - Citeseer

... This will include, for example, the possibility that a site will refuse to process a **query** on behalf of another site and will refuse to accept an **object** which a remote site wishes to evict from its storage. ... To **model** this possible parallelism, we assume that the **query** can be ...

Cited by 173 - Related articles - View as HTML - All 31 versions

[\[PDF\]](#) [Toward updates in description logics](#)

[psu.edu](#) [\[PDF\]](#)

M Roger, A Simonet, M Simonet - International Workshop on Knowledge ..., 2002 - Citeseer

... respectively membership values) in A as in I. Given a **model** I we define the **partial** pre-order ... classified" objects consists in evaluating queries as described in 2.3 for each named concept and for each **object**. ... Moreover, only tests may **validate** the proposed optimised mechanisms ...

Cited by 14 - Related articles - View as HTML - All 12 versions

[Mapping a semantic database model to the relational model](#)

P Lyngbaek, V Vianu - ACM SIGMOD Record, 1987 - portal.acm.org

... As an example, consider the function Major Student -> Department which IS typically **partial** (1 e , a ... Lower and upper **object** partlcipations, which are referred to as partrcpatron conatrants, can be ... 3 Mapping lrm Schema8 to Relational Schemae The Jr~s **model** 1s currently ...

Cited by 58 - Related articles - All 3 versions

[\[PDF\]](#) [A precise approach to validating UML models and OCL constraints](#)

[psu.edu](#) [\[PDF\]](#)

M Richters... - Monographs of the Bremen Institute of Safe Systems, 2001 - Citeseer

... of this thesis is to define a precise framework that allows an anal- ysis and **validation** of OCL ... An integrated view based on a mathematical system **model** is proposed in [BGH+97]. ... on the integration of UML with mature formal specification notations like Z and **Object-Z** [FBLPS97]. ...

Cited by 135 - Related articles - View as HTML - All 5 versions

[Neighborhood and associative query answering](#)

WW Chu, Q Chen - Journal of Intelligent Information Systems, 1992 - Springer

... and Chen, 1993; Chu, et al., 1991a, b) has been developed at UCLA as a testbed to **validate** the effectiveness ... where 1 implies **complete** satisfaction, 0 implies unsatisfaction, and a non-zero value implies **partial** satisfaction of the tuple t ... For example, based on the **object** schema ...

Cited by 84 - Related articles

[Research issues in database specification](#)

ML Brodie - ACM Sigmod Record, 1983 - portal.acm.org

... semantic integrity **validation**). ... 2. Means for structuring specifications and defin- ing **partial** functions ...

8. Different specifications of an **object** at one level of detail or abstraction, each having different properties (eg, views and multi- level specifications of an **object** at different levels of ...

Cited by 9 - Related articles - All 2 versions

Why and where: A characterization of data provenance [upenn.edu \[PDF\]](http://upenn.edu [PDF])
P Buneman, S Khanna, T Wang-Chiew - **Database Theory—ICDT 2001, 2001** - Springer
... Note that the result may not be a **partial** function in which case the deep union is ... Insofar as some formal **model** for XML has been developed in the Document **Object Model (DOM)** [15] it is ... So far we have explored the issue of what pieces of input data **validate** the existence of an ...
Cited by 481 - Related articles - BL Direct - All 10 versions

A method for **validating** a conceptual model by natural language discourse generation [su.se \[PS\]](http://su.se [PS])
H Dalianis - Advanced Information Systems Engineering, 1992 - Springer
... This combination will help both the design engineer to **validate** the CM and the end users to ... A **partial** solution to this problem is dependent on the question and the knowledge level of the ... a data base. These three **types** of questions or commands are: 1) How is an **object** defined ...
Cited by 66 - Related articles - All 4 versions

[PDF] **Validating** constraints with **partial** information: Research overview [psu.edu \[PDF\]](http://psu.edu [PDF])
J Widom, A Gupta, Y Sagiv - Proc. of the 5th Int. Workshop on the ..., 1994 - Citeseer
... This property is applicable only when the **partial** information includes portions of the **database**, ie the third class of problems in Section 1.1. ... If the **query** produces ... The difficulty of **validating** constraints naturally depends on the language that we use to express constraint queries. ...
Cited by 2 - Related articles - View as HTML - All 15 versions

Database design for a multi-scale spatial information system informaworld.com
CB Jones, DB Kidner, LQ Luo, GL ... - International Journal ..., 1996 - informaworld.com
... based on high accuracy geometric representations, and on user assertions, to **validate** the integrity ... It employs slots (attribute variables and methods) common to the Real-World **Object** Directory, the ... a relatively small degree of overlap is to take account of very **partial** overlap in ...
Cited by 88 - Related articles - BL Direct - All 3 versions

On formalizing the UML **object** constraint language OCL [psu.edu \[PDF\]](http://psu.edu [PDF])
M Richters, M Gogolla - Conceptual Modeling—ER'98, 1998 - Springer
... understanding of UML class models and their interpretation, (3) a solid foundation for implementing CASE tools supporting simulation and **validation** of UML ... is a **partial** order on ... Figure 3 shows a UML **object** diagram representing part of a system state for the car rental **model** ...
Cited by 152 - Related articles - BL Direct - All 10 versions

[PDF] Semantic integration of heterogeneous information sources [unimi.it \[PDF\]](http://unimi.it [PDF])
S Bergamaschi, S Castano, M Vincini, D ... - Data & Knowledge ..., 2001 - islab.dico.unimi.it
... but they will be retrieved as valid instances of the corresponding **object** pattern when processing a **query**. ... of ODMG and to the diffusion of /POB [2,20], the **object** data model ODL d ... As an example, below we report the ODL representation of the ED.Fast- Food **object** pattern and ...
Cited by 289 - Related articles - View as HTML - All 10 versions

An executable visual formalism for **object**-oriented conceptual modeling [psu.edu \[PDF\]](http://psu.edu [PDF])
DC Kung - Journal of Systems and Software, 1995 - Elsevier
... A test sequence is a **partial** path from the root to any node ... language. This step

can be done by use of the formal method described in Kung (1985a). 5. **Validate** that each **object** specification matches the users' requirements. This ...

Cited by 12 - Related articles - All 10 versions

Modeling of business rules for active database application specification

141.85.107.254 [PDF]

Y Amghar, M Meziane, A Flory - Advanced topics in **database** ..., 2002 - books.google.com

... The main approaches used to define priorities are: total order and **partial** order. ... Active **rules** are mapped to **database** procedures. Methodology The methodology used to **model** our application is based on **object-oriented** method and is described as follows: 1 ...

Cited by 5 - Related articles - All 7 versions

The Management of the ambiguities in a graphical query language for geographical information systems

D Calcinelli, M Mainguenaud - Advances in Spatial Databases, 1991 - Springer

... Each **sub-query** defined in the working space is associated with a **partial** functional expression. ... as shown in hard-copy number 2. The user selects now the line basic **object**, by choosing ... With the **validation** of this sub-que~ with the Valid option of the Working menu, the screen ...

Cited by 7 - Related articles - All 4 versions

Using business rules within a design process of active databases

Y Amghar, M Meziane, A Flory - Data warehousing and web ..., 2002 - books.google.com

... The main approaches used to define priorities are Total order and **Partial** order. ... previous section how active **rules** can be represented in the specification of an **object** behavior ... Modules required treating dynamic aspects concern mainly: 1. The **validation** of both the semantic and ...

Cited by 21 - Related articles - BL Direct - All 22 versions

The OO-Method approach for information systems modeling: from object-oriented conceptual modeling to automated programming

O Pastor, J Gómez, E Insfrán, V Pelechano - Information Systems, 2001 - Elsevier

... The use of such a formal specification provides the **context** to **validate** and verify the ... **object** state depending on the arguments of the service involved, and the **object's** current state. ... The relevant contribution of this functional **model** is the concept of the categorization of attributes. ...

Cited by 181 - Related articles - BL Direct - All 7 versions

[PDF] Authorization and revocation in object-oriented databases

scilib.kiev.ua [PDF]

I Majetic, EL Leiss - IEEE Transactions on Knowledge and Data ..., 1997 - scilib.kiev.ua

... An important issue for a **validation** mechanism is where to store the authorization **rule**. ... After the procedure finishes, either full authorization is given, or **partial** authorization (including none) is given one may want to ... 1) AO is Oi or one of its ancestors; 2) ai is known for **object** AO, ie ...

Cited by 4 - Related articles - View as HTML - BL Direct - All 9 versions

Rule validation based on logical deduction

psu.edu [PDF]

P Wu, SYW Su - Proceedings of the second international conference ..., 1993 - portal.acm.org

... Thus, the **validation** of an **object-oriented** knowledge base can be done by processing the ... That is, $\{1P\}$ is a **model** for S. A knowledge base containing the preceding propositions ... consistency/inconsistency in the **context** of **rule validation**, which takes the input facts of a ...

[Cited by 5 - Related articles](#) - [All 7 versions](#)

[Measures for assessing dynamic complexity aspects of object-oriented conceptual schemes](#)

G Poels, G Dedene - *Conceptual Modeling—ER 2000*, 2000 - Springer

... $J^3 \{C, M, E, '\}$, we write that $t(e, P) = R/J$. We define the **partial** maps tP ... 20 (1994) 199-206 6.

Shepperd, M., Ince, D.: **Algebraic Validation** of Software Metrics. ... LC, Wüst, J., Ikonomovski, S., Lounis, H.: A Comprehensive Investigation of Quality Factors in **Object-Oriented** Designs ...

[Cited by 34 - Related articles](#) - [BL Direct](#) - [All 7 versions](#)

[psu.edu \[PDF\]](#)

[An intelligent approach to information integration](#)

S Bergamaschi, S Castano, SDC Di ... - Formal ontology in ..., 1998 - books.google.com

... code, faculty) and a **partial** view of its mapping table is shown in Figure 6. The ... M. Vincini, "

ODB-Tools: a description log- ics based tool for schema **validation** and semantic ... 3, 1993, and in Mod- ern **Database** Systems-The **Object Model**, Interoperability and Beyond, W. Kim (Editor ...

[Cited by 109 - Related articles](#) - [All 17 versions](#)

[ed.ac.uk \[PDF\]](#)

[\[PDF\] Projector: a partially typed language for querying XML](#)

R Connor, D Lievens, F Simeoni, S ... - *Proceedings of ...*, 2002 - [homepages.inf.ed.ac.uk](#)

... Rather than it being used primarily as a static mechanism to ensure the **partial** safety of ... The curly and square brackets in PL are syntactic forms representing JavaScript **object** and array ... No union **type** is included as the JavaScript untyped **model** makes this unnecessary for our ...

[Cited by 10 - Related articles](#) - [View as HTML](#) - [All 11 versions](#)

[psu.edu \[PDF\]](#)

[\[PDF\] Database graph views: A practical model to manage persistent graphs](#)

A Gutiérrez, P Pucheral, H Steffen, JM ... - *PROCEEDINGS OF THE ...*, 1994 - Citeseer

... We currently **validate** it in three different contexts, namely a ... several objects of Ω or a single **object** of Ω to participate in the definition of several nodes or edges of ... 1 and G 2 yields a **partial** graph of G 1 containing the edges which do not belong to G 2 . The edge difference ...

[Cited by 13 - Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 10 versions](#)

[unsw.edu.au \[PDF\]](#)

[\[PDF\] XML: Model, schemas, types, logics, and queries](#)

N Klarlund, T Schwentick, D Suciu - *Logics for Emerging ...*, 2003 - [cse.unsw.edu.au](#)

... Thus, the order relation $<$ is in reality a **partial** relation. ... a node is an **object**, which physically is a piece of allocated memory; in DOM, this **object** contains pointers ... Thus, this **model** is fundamentally different from the storage **model** of S-expressions, recursive data **types**, and even ...

[Cited by 32 - Related articles](#) - [View as HTML](#) - [All 9 versions](#)

[Automating software analysis and testing using a program transformation system](#)

G Kotik, L Markosian - *Proceedings of the ACM SIGSOFT'89* third ..., 1989 - [portal.acm.org](#)

... sively with a number of base cases, several of which are shown in the following **partial** definition ...

4.2.1 Generating program mutants for test suite **validation** ... We have found that the **object-oriented** **database** representation more closely approximates the con- ceptual **model** held by ...

[Cited by 35 - Related articles](#) - [All 3 versions](#)

[gatech.edu \[PDF\]](#)

[The functional data **model** and the data languages DAPLEX](#)

DW Shipman - ACM Transactions on **Database** Systems (TODS), 1981 - portal.acm.org

... for example, the enrollment of a student in a course as a conceptual **object**, and then to assign a "grade of" property to that "**object**." With DAPLEX ... Functional Data Model and DAPLEX * 151 ...'

Had we, for some reason, desired duplicate courses to be listed, the **query** would have ...

Cited by 992 - Related articles - All 7 versions

[psu.edu \[PDF\]](#)

Database integration: the key to data interoperability

C Parent, S Spaccapietra - ... in **Object-Oriented** Data Modeling, 2000 - books.google.com

... In these cases, **partial**, dynamic or incremental integration strategies are advisable. ... available data, the system has to know how to find in one **database** the **object** (instance or ... A. CarModel

3 B. CarModel MC A. name= B. code specifies that corresponding car **model** objects from ...

Cited by 38 - Related articles - All 12 versions

[psu.edu \[PDF\]](#)

[PDF] Semantic query optimization by subsumption in OODB

D Beneventano, S Bergamaschi, C Sartori - Flexible **Query** Answering ..., 1996 - Citeseer

... The generality and independence from any speci c cost **model** and storage details of the proposed method ... relation is cycle{free, ie, the transitive closure of j, written , is a strict **partial** order. ... For a given **object** assignment , each **type** expression S is given a set of values as its ...

Cited by 16 - Related articles - [View as HTML](#) - All 16 versions

[psu.edu \[PDF\]](#)

[PDF] A customizable database editor based on an adaptive object model

W Witthawaskul - 2001 - Citeseer

... Submitted in **partial** fulfillment of the requirements for the degree of Master of Science in Computer Science in the Graduate College of the University of Illinois at Urbana-Champaign ... **validate()** ... Not only do we use the Adaptive **Object Model** to **model** relational **database** tables, we ...

[View as HTML](#) - All 3 versions

[psu.edu \[PDF\]](#)

Context inheritance and content inheritance in an object-oriented data model

L Yu, S Osborn - Advances in Computing and Information—ICCI'91, 1991 - Springer

... The ((~) and ((~) **partial** orderings can be considered to be a **complete** lattice over classes ... Class harmonization and class accommodation are introduced mainly for **validating** (statically) the **database** ... the invokers bl, ..., b4 can be either reached by a (persistent) **object** handle or ...

Cited by 1 - Related articles - All 2 versions

[nih.gov \[PDF\]](#)

The organelle genome **database** project (GOBASE)

M Korab-Laskowska, P Rioux, N Brossard, ... - Nucleic acids ..., 1998 - Oxford Univ Press

... in house to assist in the population of the **database**, **data validation**, nomenclature standardization ... and function of its product, the position in the published sequence, whether **partial** or **complete** ...

To permit an **object**-oriented view of a relational **database**, the Genera package (23 ...

Cited by 36 - Related articles - [BL Direct](#) - All 12 versions

[psu.edu \[PDF\]](#)

Specifying rule-based query optimizers in a reflective framework

L Fegaras, D Maier, T Sheard - Deductive and **Object-Oriented** Databases, 1993 - Springer

... evaluating the queries, such that the produced plans are optimal with respect to some cost **model** ...

Most **rule**-based term-rewriting systems in addition support a **partial** form of **context** sensitivity

in ... By using the escape operator in **object** programs it is possible to use reflection to ...

[Cited by 16](#) - [Related articles](#) - [BL Direct](#) - [All 14 versions](#)

Inference in MLS database systems

DG Marks - IEEE Transactions on Knowledge and Data ..., 1996 - [ieeexplore.ieee.org](#)

... A) THEN (T', A'); or may be denoted as (T, A) + (T', A'). Since the **model** being used ... Any **query** accessing the names of all "spies" (even without referring to, or retrieving Job) would ... Typically a closed world is taken to mean that the **database** contains only true information, and all ...

[Cited by 55](#) - [Related articles](#) - [BL Direct](#) - [All 9 versions](#)

On the transformation of object-oriented conceptual models to logical theories

[buffalo.edu](#) [PDF]

P Bekaert, B Van Nuffelen, M Bruynooghe, D ... - ... Modeling—ER 2002, 2003 - Springer

... Executable specifications, allowing **validation** and rapid prototyping, is another important issue of investigation [11]. ... The functions are shown in Fig. 5. 6 We will only present some **partial** fragments. ... Page 12. On the Transformation of **Object-Oriented** Conceptual Models 163 ...

[Cited by 5](#) - [Related articles](#) - [BL Direct](#) - [All 13 versions](#)

[PDF] Architecture of active database systems

[psu.edu](#) [PDF]

A Buchmann - Active **Rules** in Database Systems, 1999 - Citeseer

... **Validation** Privilege ... However, many systems, both relational and **object-oriented**, provide an additional, explicit signaling mechanism for external events that ... To avoid this hotspot, some systems use distributed logging with deferred consolidation of the **partial** logs BZW95]. ...

[Cited by 14](#) - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

Evaluation of the quality of information retrieval of clinical findings from a computerized patient **database** using a semantic

[nih.gov](#) [HTML]

terminological model

PJB Brown, P Sönksen - Journal of the American Medical ..., 2000 - [jamia.bmjjournals.org](#)

... The design of CTV3 employs **object**-attribute-value triples stored in a template file as a ... 20 This has been extended in this study to provide at least **partial** representation of other ... of concepts according to their meaning in a terminology (semantic terminological **model**) provides the ...

[Cited by 52](#) - [Related articles](#) - [All 12 versions](#)

Coordinating context building in heterogeneous information systems

[uic.edu](#) [PDF]

AM Ouksel, CF Naiman - Journal of Intelligent Information Systems, 1994 - Springer

... Schema(**partial**): ... The **object** level is considered to be a coarser or higher level of heterogeneity than the attribute level, which is coarser than the ... the domain of the organization, as well as the nature of the information stored in the **database**, which is data **model** independent. ...

[Cited by 85](#) - [Related articles](#) - [All 4 versions](#)

Challenges for Query Processing in Object-Oriented Databases

OO Databases - **Query** processing for advanced **database** ..., 1994 - [books.google.com](#)

... 1987] is a structural **object model** with a more expressive **query** facility, but without an abstract **type** definition system. Its **query model** is interesting in that the result of a **query** is a subdatabase, rather than just a single collection of objects. ...

[Related articles](#) - [All 2 versions](#)

Application framework of objects for the provision of DICOM services

D Mason, BA Zimmerman - US Patent 5,668,998, 1997 - Google Patents

... PACS are only **partial** solutions to providing cost „ without modification. ... is struction and use during the **validation** of query An advantage of the API toolkit framework of the ... of normalized informa- Film Session, Film Box, Image Box, Printer, Print Job, tion **object** definition module ...

Cited by 20 - Related articles

Requirements and comparison of view mechanisms for object-oriented databases* 1

R Motschnig-Pitrik - Information Systems, 1996 - Elsevier

... In general, it is assumed that, associated with a **query**, there exists some **partial** function f ... A LATTICE proposal allows for the update of view classes that are derived by **object** preserving **rules** ... The proposal shares with COOL the the fundamental **model** of a class hierarchy with the ...

Cited by 43 - Related articles - All 5 versions

[PDF] Technical Survey of XML Schema and Query Languages

[ucla.edu](#) [PDF]

A Bonifati, D Lee - 2001 - cobase.cs.ucla.edu

... As in the **object-oriented** paradigm, inheritance is done by extending or restricting the base **types**. ... Schematron is on **validating** XML structure, it does not provide any explicit built-in type. ... DTD: Partial XML-Schema: Yes RELAX: Partial SOX: Yes Schematron: Yes DSD: Partial ...

Cited by 30 - Related articles - [View as HTML](#) - All 9 versions

[PDF] KIDS: Construction of database management systems based on reuse

[psu.edu](#) [PDF]

A Geppert, S Scherrer, KR Dittrich - Bericht ifi-97.01, Department of ..., 1997 - Citeseer

... The execution order is defined relatively through a **partial** ordering of ECA-rules. ... transactions, so it might be responsible for a service called **validate**, requests for which are ... 1. The **object** management subsystem (OMS) implements the mapping from data **model** ob- ...

Cited by 33 - Related articles - [View as HTML](#) - All 8 versions

[PDF] Six spaces for global information systems design

[psu.edu](#) [PDF]

T Estier, G Falquet, J Guyot, M Léonard - 1991 - Citeseer

... structure (or hierarchy) is a set of semantic contexts ordered by a **partial** order relation ... The composition of the objects life-cycle Petri Net with the constraints **validation** PN, restricted to ... We shall analyze hereafter the relational and **object-oriented** models within the frame- work of ...

Cited by 8 - Related articles - [View as HTML](#) - All 4 versions

Vql: A query language for multiversion databases

T Abdessalem, G Jomier - **Database Programming Languages**, 1998 - Springer

... Timestamps may be either mono or multidimen- sional, based on **validation** time, transaction time or user ... An o-value valuation function Oo is a **partial** function from variables x of **type** rE **types** ... The fifth column concerns the keeping of the track of an **object** through its versions, and ...

Cited by 9 - Related articles - [BL Direct](#) - All 5 versions

[PDF] A Framework for adaptive design

[psu.edu](#) [PDF]

M Devos, M Tilman, F Spiessens - Umea: Umea University Department of ..., 1997 - Citeseer

... These **rules** capture business- semantics, set defaults and perform extra **validation**, filter information ... Example: **Rules** can be defined that are triggered whenever the **model** changes, taking appropriate ... As all **object types** are instances of the same **meta-object type**, conditions can ...
Cited by 2 - [Related articles](#) - [View as HTML](#) - [All 8 versions](#)

Context Inheritance and Content Inheritance in an Object-Oriented Data Model

LYSL Osborn - Advances in computing and information--ICCI'91 ..., 1991 - books.google.com
... The (t) and (7) **partial** orderings can be considered to be a **complete** lattice ... Class Accommodation Class harmonization and class accommodation are introduced mainly for **validating** (statically) the ... the invokers 61,..., 64 can be either reached by a (persistent) **object** handle or ...
[Related articles](#)

An object-oriented SGML/HyTime compliant multimedia database management system

[psu.edu](#) [\[PDF\]](#)

MT Özsu, P Iglinski, D Szafron, S El-Medani, ... - Proceedings of the ..., 1997 - portal.acm.org
... Both insertion and deletion will involve **validation** by the SGML parser. ... Eventtype A&Type VariantType Figure 9. **Partial** Meta-type System ... Virtual function resolution ensures that any me&type **object** will create the appropriate **object**(s) when its instantiation method is invoked. ...
Cited by 34 - [Related articles](#) - [All 16 versions](#)

Querying the Semantic Web with RQL* 1

[220.231.93.23](#) [\[PDF\]](#)

G Karvounarakis, A Magganaraki, S Alexaki, V ... - Computer networks, 2003 - Elsevier
... representation of RDF statements (ie, a SQL table with attributes subject, predicate, and **object**), as a ... In order to provide a crystal clear definition of the RDF/S data **model** semantics we ... M p ;
For the subsumption relation , it holds that: the relation is a strict **partial** order (irreflexive ...
Cited by 55 - [Related articles](#) - [All 10 versions](#)

A rule-based querying and updating language for XML

[uni-goettingen.de](#) [\[PS\]](#)

W May - Database Programming Languages, 2002 - Springer
... city/N. N/name N/population : Schema **querying** can eg be used for **validation** wrt ... a given universe consists of an interpretation IX of predicates over the universe, and a (partial) mapping that ... The variable are then propagated to the **rule** head where facts are added to the **model**. ...
Cited by 11 - [Related articles](#) - [BL Direct](#) - [All 8 versions](#)

A TTCN-3 based online test and validation platform for Internet services

PH Deussen, G Din, I ... - The Sixth International ..., 2003 - ieeexplore.ieee.org
... we consider **validation** in concurrent and distributed environments, the ordering can be **partial**: several steps ... from the target system – in particular, as the target system used itself **object** oriented data ... a prototype of this platform in order to experiment with the **validation** of services ...
Cited by 18 - [Related articles](#) - [All 4 versions](#)

[PDF] Deductive Repository Technology: Supporting Effective Domain Modelling and Validation

[psu.edu](#) [\[PDF\]](#)

B Theodoulidis, P Alexakis - Proceedings of the 4th Workshop on the Next ..., 1993 - Citeseer
... These are based on two constraints that are usually included in any ISA semantics namely, the **partial/total** ISA ... verification and **validation** purposes. ... On the contrary, employing a relational or **object-oriented** implementation platform complicates the transformation of ...

[Cited by 2 - Related articles](#) - [View as HTML](#) - [All 3 versions](#)

[Abstract state machines and computationally complete query languages](#)

A Blass, Y Gurevich, J Bussche - Abstract State Machines Theory and ..., 2000 - Springer
... **model** theory, the language while is better known under the equivalent form of first-order logic extended with the **partial** fixpoint operator ... In E. Börger, editor, Specification and **Validation** Methods, pages 9–36. ... The expressive power of complex values in **object**-based data models ...

[Cited by 12 - Related articles](#) - [BL Direct](#) - [All 17 versions](#)

[\[PDF\] Validation of Object-Oriented Analysis Models using Informal Language](#)

[psu.edu](#) [\[PDF\]](#)

PJM Frederiks, CHA Koster, TP van der Weide - 1996 - Citeseer
... Each analysis **model** represents a (**partial**) linguistic view on the information grammar. ... The **validation** process usually will lead to reconsiderations, extensions and reformulations of the informal specification. ... (name of) (name of) **object type** **action type** Band Person Recording ...

[Cited by 4 - Related articles](#) - [View as HTML](#) - [All 7 versions](#)

[\[PDF\] Building a Robust Relational Implementation of Topology](#)

[esri.com](#) [\[PDF\]](#)

EHSMS Morehouse - 2003 - gis.esri.com
... with the topology are selected on the basis of which topological relationships are important for the user's **model**. ... When a topology **rule** is violated, a topology error **object** is generated. ... Topology **rule** violations do not prevent the **validation** operation from successfully completing. ...

[Related articles](#) - [All 2 versions](#)

[Conversational case-based reasoning](#)

DW Aha, LA Breslow, H Muñoz-Avila - Applied Intelligence, 2001 - Springer
... a simple method- ology that simulates a human user using a variant of leave-one-out cross **validation** that we call ... Figure 9 displays a **partial** question **model** that relates two questions to the **object** **model**. ... Figure 9. **Partial** question **model** for the printer troubleshooting library. ...

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[\[BOOK\] Entity-relationship modeling: foundations of database technology](#)

[tu-cottbus.de](#) [\[PS\]](#)

B Thalheim - 2000 - books.google.com
... An entity is a thing, concept, or **object** which involve ... At the same time, the simplicity of the **model** results in restrictions. ... Advantages of the relational approach are: • an advanced **database** design theory based on mathematics, • formally defined **query** languages, • automatically ...

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[\[PDF\] Management of schema evolution in databases](#)

[vldb.org](#) [\[PDF\]](#)

J Andany, M Léonard, C Palisser - ... of the 17th International Conference on ..., 1991 - vldb.org
... The **validation** of a new schema leads to the destruction of its predecessor, together with the corresponding data. ... The definition of **partial** views of the schema must also be allowed. ... It delivers all the **object** tuples linked to the **context** ...

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[Active object-oriented database systems for CIM applications](#)

[psu.edu](#) [\[PDF\]](#)

G Kappel, S Rausch-Schott, W Retschitzegger, ... - ... in Computer Integrated ..., 1995 - Springer
... In order to ensure refer- ence validation, Ode supports three standard maintenance options. ... These include **partial** and total ordering (prior, relative, sequence), limited and unlim- ited ... **Object-Oriented Database System**) [Bern92] is a prototype reac- tive **object**-oriented system ...

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Modeling and querying semi-structured data

S Cluet - Information Extraction A Multidisciplinary Approach to ..., 1997 - Springer
... Only an experimental study can **validate/invalidate** this approach ... Both languages rely on generalized path expressions (GPE) to **query** data with no or **partial** knowledge of the ... This design choice seems natural since the language is intended to support an **object**- oriented **model** ...

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A comparative analysis of methodologies for database schema integration

[psu.edu](#) [\[PDF\]](#)

C Batini, M Lenzerini, SB Navatne - ACM Computing Surveys (..., 1986 - portal.acm.org
... Hence, we show the global schema as well as the data and **query-mapping** spec- ifications to be the ... A summary description of each is in Appendix 2. The data **model** used, inputs and outputs, the general strategy, and ... **Database** integration **context**: local schema, global schema. ...

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Computer-aided design databases

RH Katz - New directions for **database** systems, 1986 - books.google.com
... when a subsystem cannot be completed without the assistance of another designer, and the **partial** results have ... If the system crashes, the **object** is restored to its shadow state ... to remain the unit of consisten- cy, we believe that mechanisms to support design **validation** should be ...

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[PDF] Dynamic query processing in a parallel object-oriented database system

[utwente.nl](#) [\[PDF\]](#)

CA van den Berg - 1994 - doc.utwente.nl
... 4 we discuss the Goblin (distributed) storage **model** and compare three alternative **object** representation models. ... Its (**partial**) implementation is used to test the e ciency of the processing scheme. ... and more radical approach is the design of a completely new data **model** and data ...

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[BOOK] TEMPOS: A Temporal Database Model Seamlessly Extending ODMG

[psu.edu](#) [\[PDF\]](#)

M Dumas, MC Fauvet, PC Scholl - 1999 - Citeseer
... In section 6 we present the prototype that has been developed to **validate** the feasibility of our proposal, and enumerate ... grafted into most existing **object**-oriented data models, and in particular, to be embedded into ODMG's built-in **type** hierarchy. 3.1 Time **model** 3.1.1 Time units ...

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Modeling in the Design of a KBS Validation System

HL Larsen, H Nonfjall - International Journal of Intelligent ..., 1991 - interscience.wiley.com
... For instance, the knowledge engineer may want to see where and how a particular **object** is applied in ... Figure 3. A functional **model** of the KBS **validation** system. ... We illustrate the specification

of the general formal **model** by providing a **partial** formulation at two characterization ...

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Life-cycle of a dual **object-oriented specification model** for real-time systems¹

MA Bruno, P Nesi - *Information and Software Technology*, 1999 - Elsevier

... 2). In particular, Specification Assistant helps the user to automatically **complete partial** specifications and produces ... basis for the proposed life-cycle, but activities of verification and **validation** have to ... The Reuse Analysis starts by making a **query** on the **Object Database** by using ...

[Cited by 3](#) - [Related articles](#) - [All 7 versions](#)

[PDF] Articulation management for intelligent integration of information

[stanford.edu](#) [\[PDF\]](#)

DA Maluf, PB Tran - *IEEE Transactions on Systems, Man, and ...*, 2001 - infolab.stanford.edu

... Similar **partial** information populates most semistructured information systems, eg, theWorldWideWeb. ... will be used to mirror hierarchically the declarative interfaces with **object** oriented flavor. ... includes a number of features to support the verification and **validation** of articulation ...

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Knowledge-based document retrieval in office environments: the Kabiria system

[uml.edu](#) [\[PDF\]](#)

A Celentano, MG Fugini, S Pozzi - *ACM Transactions on ...*, 1995 - portal.acm.org

... Languages Additional Key Words and Phrases: Browser, class, hypertext, instance, knowledge base, link, **object** orientation, user ... Processing of user's information needs, in order to formulate a **query** in ... document **model** partly come from the wide literature on office modeling. ...

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Tool support for **object-oriented** patterns

[serc.nl](#) [\[PDF\]](#)

G Florijn, M Meijers, P Van Wijnen - *ECOOP'97—Object-Oriented ...*, 1997 - Springer

... 3 Roles are implemented as a particular kind of fragment **object**, ... A **partial** solution is to add such indirections to the constraint-checking, similarly to the use of the generalized path ... When something wrong is encountered during the **validation** process, an exception is raised. ...

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"partial validation" object model querying database

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[utwente.nl](#) [\[PDF\]](#)

PWPJ Grefen, PMG Apers - Data & Knowledge Engineering, 1993 - Elsevier

... Referential integrity constraints are even more important if the relational data model is used for the representation of **object-oriented** structures. ... An example of an approach that does not satisfy this requirement is the **query** modification technique [81] (see Section 3.7.2). In ...

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[\[PDF\] Knowledgescapes: A probabilistic model for mining tacit knowledge for information retrieval](#)

[psu.edu](#) [\[PDF\]](#)

HA Cheng - UC Berkley, 2001 - Citeseer

... While the overall results of our simulations are encouraging, they should be interpreted as **partial validation** of the internal consistency of our model, and not ... Table 3. Simulated performance of dynamic reranking vs number of documents browsed since **query** was submitted. ...

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[An Expert System for Reward Systems Design](#)

[dtic.mil](#) [\[PDF\]](#)

A Erturk, NAVAL POSTGRADUATE SCHOOL ... - 2000 - oai.dtic.mil

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Programming ... 1. Conceptual Design 47 2. Construction of Heuristics and Mathematical Model

48 B ... AND ERROR HANDLING 52 C. GRAPHICAL USER INTERFACE 54 1. **Query Screens** 55 ...

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[\[PDF\] Clustering Strategies in O2: an Overview](#)

[psu.edu](#) [\[PDF\]](#)

V eronique Benzaken, C Delobel, G Harrus - 1995 - Citeseer

... We will not try to cluster all the components of an **object** to- gether; instead, we try to ... part of the objects (ie, the composition hierarchy) and the operations performed on the **database** (ie, the ...

To this end, we propose a **cost model** which evaluates the pro ts of a given strategy, then ...

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[Coordinating Policy for Federated Applications](#)

II Keynote - ... Annual Working Conference on **Database Security**, ..., 2001 - books.google.com

... Validation can be total or partial; so from a **partial validation** new proposals can be ... [CSGS94]

M. Castellanos, F. Saltor and M. Garcfa-Solaco: A Canonical Data Model for the ... In Ozsu, Dayal and Valduriez (eds), **Distributed Object Management**, pages 309-314, Morgan Kaufmann ...

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RM Fujimoto, JJ Tsai, GC ... - IEEE Transactions on ..., 1992 - ieeexplore.ieee.org

... Such a machine would be programmed using conventional **object-oriented** or **process-oriented** ...

Warp has also been used in applications such as distributed **database** concurrency control [9 ...

schedule a "packet departure event" into the simulated future to **model** the subsequent ...

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